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International patent application PCT/NL2004/00186**AMENDED MAIN CLAIM**

1. A method of separating a particle fraction from
5 a particle stream, wherein the particles of the particle
stream are separated in a fluid in a container under the
influence of gravitational force based on difference in
vertical velocity, wherein the fluid and the particles are
moved in a substantially horizontal direction defining a
10 relative direction of movement, and wherein at a first
location a first particle fraction is collected, and at a
second location somewhat removed from the first location, a
second particle fraction is collected in respective
collecting means, wherein baffles are provided for causing
15 the fluid to move in the relative direction of movement,
characterised in that the baffles are placed maximally 3,
preferably maximally 2 and most preferably less than 1 x the
diameter of spread of the particles that spread out the most
of the particle fraction spreading out the most.